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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

More application of:

Wei Li, et al.

Serial No.: 10/643,628

Filed on: August 18, 2003

) Confirmation No.: 4451

) Examiner: Saeed, Usmaan

) Group Art Unit No.: 2166

For: EXPRESSING FREQUENT ITEMSET COUNTING OPERATIONS

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is at least one copy of Form PTO/SB/08 (A or B) together with copies of the documents cited on that form, if needed. Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):



37 C.F.R. §1.97(b). It is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned.



37 C.F.R. §1.97(c). If so, then this Information Disclosure Statement includes one of the following:



A statement pursuant to 37 C.F.R. §1.97(e)

☐ 1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.

☒ 1.97(e)(2) The undersigned hereby states that no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

☐ A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

It is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned.

☐ 37 C.F.R. §1.97(d). If so, then this Information Disclosure Statement includes the following:

☐ A statement pursuant to 37 C.F.R. §1.97(e)

☐ 1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement; OR

☐ 1.97(e)(2) The undersigned hereby states that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

AND

☐ A check for \$180.00 for the fee under 37 C.F.R. §1.17(i) for submission of the Information Disclosure Statement.

It is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned.

☐ 37 C.F.R. §1.97(i). The undersigned is submitting references to satisfy disclosure obligations in hopes that the references will be considered by the Examiner. Although the submission does not fully meet 37 C.F.R. §1.97, it is respectfully requested that the cited documents be considered and that each enclosed copy of Form PTO/SB/08 (A or B) be initialed by the Examiner to indicate such consideration and a copy thereof returned to Applicant(s). It is understood that if the Examiner does not consider the cited references, the cited documents will be placed in the file pursuant to 37 C.F.R. §1.97(i).

Accordingly, copies of the references as listed on each enclosed copy of Form PTO/SB/08 (A or B) are submitted herewith, if needed. No certification or fees are deemed necessary.



The Examiner is hereby notified that the present application is related to the following related application(s):

DISCLOSURE OF RELATED APPLICATIONS

U.S. Application/ Pat. No.	File Date	Atty. Docket. No.

The related application(s) may contain subject matter that is related to the subject matter of the present application. The related application(s) may contain one or more claims that may be substantially similar to one or more claims in the present application, and those claims may have been rejected in the related application(s). Therefore, the Examiner is encouraged to review the file history(ies) of the related application(s) as some of the information contained therein may be material to the examination of the present application.



The Examiner is hereby notified that for the following related application(s) an Office Action has been received as indicated below:

DISCLOSURE OF OFFICE ACTIONS

U.S. Application/ Pat. No.	File Date	Office Action Mailing Date	Atty. Docket. No.
10/927,893	08/27/2004	02/06/2007	50277-2579


The related application(s) may contain one or more claims that may be substantially similar to one or more claims in the present application, and those claims may have been rejected in the related application(s). Therefore, the Examiner is encouraged to review the file history(ies) of the related application(s) as some of the information contained therein may be material to the examination of the present application.

Throughout the pendency of this application, please charge any additional fees, including any required extension of time fees, and credit all overpayments to deposit account 50-1302.

Respectfully submitted,

HICKMAN PALERMO TRUONG & BECKER LLP

Dated: May 4, 2007



Brian D. Hickman
Reg. No. 35,894

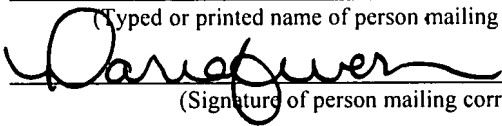
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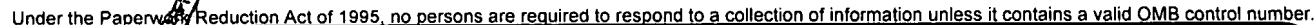
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Substitute for PTO 1449A/PTO

Complete if Known

(Use as many sheets as necessary)

Application Number	10/643,628
Filing Date	August 18, 2003
First Named Inventor	Wei, Li
Art Unit	2166
Examiner Name	Saeed, Usmaan
Attorney Docket Number	50277-2250

Sheet 1

of 2

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/643,628
Filing Date	August 18, 2003
First Named Inventor	Wei, Li
Art Unit	2166
Examiner Name	Saeed, Usmaan
Attorney Docket Number	50277-2250

Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		AGRAWAL, RAKESH et al., "Mining Association Rules Between Sets of Items in Large Database," SIGMOND -1993, ACM Issue 2, Volume 22, pp. 207-216.	
		BURDICK, DOUG et al., "MAFIA: A Maximal Frequent Itemset Algorithm for Transactional Databases," 17 th International Conference on Data Engineering-2001, retrieved from http://www.almaden.ibm/cs/projects/lis/hdp/Publications/papers/sigmond93.pdf , pp. 1-6.	
		GRAHNE, GÖSTA et al., "High Performance Mining in Maximal Frequent Itemsets," May 17, 2005, retrieved from the internet at http://www.cs.concordia.ca/db/dbdm/hpdm/hpdm03.pdf , 10 pages.	

Examiner
SignatureDate
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.